

What is Claimed is:

1. An alert system for a vehicle tire, comprising at least an alert device provided at a tire valve of the vehicle tire, wherein said alert device comprises:

5 a signal arrangement which comprises a cap, a signal generator received in said cap, and a power supply arrangement which comprises a first contact unit connected to said generator and a second contact unit;

10 a connector, for connecting to the tire valve of the vehicle tire, comprises a power inlet connected to said second contact unit of said power supply arrangement and a power outlet connected to said signal generator, wherein when the vehicle tire has an interior pneumatic pressure higher than a predetermined standard pressure, said power inlet and said power outlet are arranged to electrically disconnect with each other, wherein when said pneumatic pressure of the vehicle tire is lower than said predetermined standard pressure, said power inlet and said power outlet is electrically connected to transmit electricity from said power inlet through said second contact unit of said power supply arrangement to said power outlet and generate a warning signal.

2. The alert system, as recited in claim 1, wherein said connector further comprises a main body having a tooth-shaped outer surface, wherein an opening of said cap has an inner surface to receive said outer surface of said connector so as to securely connect said cap to said connector.

20 3. The alert system, as recited in claim 1, wherein said alert device further comprises a signal receiver communicated with said signal generator adapted for receiving a signal from said signal generator and transforming the signal to an audio output or a visual display for illustrating said warning signal with respect to said alert device that produces said warning signal.

25 4. The alert system, as recited in claim 3, wherein said signal receiver has a plurality of receiving channels correspondingly to various signal frequencies so as to distinguish said warning signal received from said alert device.

5. An alert device, comprising:

a signal arrangement which comprises a cap, a signal generator received in said cap, and a power supply arrangement which comprises a first contact unit connected to said generator and a second contact unit; and

5 a connector, adapted for mounting to a valve of a pneumatic object, comprises a power inlet connected to said second contact unit of said power supply arrangement and a power outlet connected to said signal generator, wherein when the pneumatic object has a pneumatic pressure higher than a predetermined standard pressure, said power inlet and said power outlet are arranged to electrically disconnect with each other, wherein when
10 said pneumatic pressure of said pneumatic object is lower than said predetermined standard pressure, said power inlet and said power outlet is electrically connected to transmit electricity from said power inlet through said second contact unit of said power supply arrangement to said power outlet and generate a warning signal.

6. The alert device, as recited in claim 5, wherein said connector further comprises a main body having a tooth-shaped outer surface, wherein an opening of said
15 cap has an inner surface to receive said outer surface of said connector so as to securely connect said cap to said connector.

7. The alert device, as recited in claim 5, wherein said alert device further comprises a signal receiver communicated with said signal generator adapted for receiving a signal from said signal generator and transforming the signal to an audio
20 output or an visual display.